

recognized by only those T cells which recognize the peptide of claim 2.

BF
28. The modified peptide of claim 27, whereir the modification enhances solubility, stability, or both solubility and stability, compared to the wild-type peptide.--

PROPOSED AMENDMENTS TO THE DRAWINGS

Applicants request, under 37 C.F.R. §1.121(a)(3)(ii), the Examiner's permission to correct the drawings as follows:

- In Fig. 2, line 1, after "R M K" insert --SEQ ID NO:3--.
- In Fig. 2, line 2, after "P G S" insert --SEQ ID NO:4--.
- In Fig. 2, line 3, after "G A F" insert --SEQ ID NO:5--.
- In Fig. 2, line 4, after "D D P" insert --SEQ ID NO:6--.
- In Fig. 2, line 5, after "L R Y" insert --SEQ ID NO:7--.
- In Fig. 2, line 6, after "L W I" insert --SEQ ID NO:8--.
- In Fig. 2, line 7, after "I K L" insert --SEQ ID NO:9--.
- In Fig. 2, line 8, after "G N K" insert --SEQ ID NO:10--.
- In Fig. 2, line 9, after "E V H" insert --SEQ ID NO:11--.
- In Fig. 2, line 10, after "L F M" insert --SEQ ID NO:12--.
- In Fig. 2, line 11, after "L H G" insert --SEQ ID NO:13--.
- In Fig. 2, line 12, after "T S V" insert --SEQ ID NO:14--.
- In Fig. 2, line 13, after "E A S" insert --SEQ ID NO:15--.
- In Fig. 2, line 14, after "Q D G" insert --SEQ ID NO:16--.
- In Fig. 2, line 15, after "V T L" insert --SEQ ID NO:17--.
- In Fig. 2, line 16, after "L S D" insert --SEQ ID NO:18--.
- In Fig. 2, line 17, after "V T L" insert --SEQ ID NO:19--.

In Fig. 2, line 18, after "S N N" insert --SEQ ID NO:20--.
In Fig. 2, line 19, after "V M L" insert --SEQ ID NO:21--.
In Fig. 2, line 20, after "S D D" insert --SEQ ID NO:22--.
In Fig. 2, line 21, after "A F N" insert --SEQ ID NO:23--.
In Fig. 2, line 22, after "Q R M" insert --SEQ ID NO:24--.
In Fig. 2, line 23, after "I H V" insert --SEQ ID NO:25--.
In Fig. 2, line 24, after "W S I" insert --SEQ ID NO:26--.
In Fig. 2, line 25, after "N P T" insert --SEQ ID NO:27--.
In Fig. 2, line 26, after "F T A" insert --SEQ ID NO:28--.
In Fig. 2, line 27, after "E V T" insert --SEQ ID NO:29--.
In Fig. 2, line 28, after "P S T" insert --SEQ ID NO:30--.

In Fig. 3, line 1, after "S T Q" insert --SEQ ID NO:31--.
In Fig. 3, line 2, after "Y F V" insert --SEQ ID NO:32--.
In Fig. 3, line 3, after "T N I" insert --SEQ ID NO:33--.
In Fig. 3, line 4, after "K V E" insert --SEQ ID NO:34--.
In Fig. 3, line 5, after "L T K" insert --SEQ ID NO:35--.
In Fig. 3, line 6, after "I L S" insert --SEQ ID NO:36--.
In Fig. 3, line 7, after "P C S" insert --SEQ ID NO:37--.

In Fig. 4, line 1, after "F G S" insert --SEQ ID NO:4--.
In Fig. 4, line 2, after "D D P" insert --SEQ ID NO:6--.
In Fig. 4, line 3, after "L R Y" insert --SEQ ID NO:7--.
In Fig. 4, line 4, after "L W I" insert --SEQ ID NO:8--.
In Fig. 4, line 5, after "I K L" insert --SEQ ID NO:9--.
In Fig. 4, line 6, after "G N K" insert --SEQ ID NO:10--.
In Fig. 4, line 7, after "L F M" insert --SEQ ID NO:12--.

In Fig. 4, line 8, after "L H G" insert --SEQ ID NO:13--.
In Fig. 4, line 9, after "T S V" insert --SEQ ID NO:14--.
In Fig. 4, line 10, after "Q D G" insert --SEQ ID NO:16--.
In Fig. 4, line 11, after "V T D" insert --SEQ ID NO:17--.
In Fig. 4, line 12, after "I S D" insert --SEQ ID NO:18--.
In Fig. 4, line 13, after "V M L" insert --SEQ ID NO:21--.
In Fig. 4, line 14, after "S D D" insert --SEQ ID NO:22--.
In Fig. 4, line 15, after "A F N" insert --SEQ ID NO:23--.
In Fig. 4, line 16, after "Q R M" insert --SEQ ID NO:24--.
In Fig. 4, line 17, after "I H V" insert --SEQ ID NO:25--.
In Fig. 4, line 18, after "W S I" insert --SEQ ID NO:26--.
In Fig. 4, line 19, after "N P T" insert --SEQ ID NO:27--.
In Fig. 4, line 20, after "F T A" insert --SEQ ID NO:28--.
In Fig. 4, line 21, after "E V T" insert --SEQ ID NO:29--.
In Fig. 4, line 22, after "Y F V" insert --SEQ ID NO:32--.
In Fig. 4, line 23, after "T N I" insert --SEQ ID NO:33--.
In Fig. 4, line 24, after "K V E" insert --SEQ ID NO:34--.
In Fig. 4, line 25, after "L T K" insert --SEQ ID NO:35--.
In Fig. 4, line 26, after "I L S" insert --SEQ ID NO:36--.

In Fig. 6, line 1, after "V M A" insert --SEQ ID NO:38--.
In Fig. 6, line 2, after "Q I M" insert --SEQ ID NO:39--.
In Fig. 6, line 3, after "Y L R" insert --SEQ ID NO:40--.
In Fig. 6, line 4, after "L V H" insert --SEQ ID NO:41--.
In Fig. 6, line 5, after "V F N" insert --SEQ ID NO:42--.
In Fig. 6, line 6, after "G D G" insert --SEQ ID NO:43--.
In Fig. 6, line 7, after "F A T" insert --SEQ ID NO:44--.

In Fig. 6, line 8, after "K A S" insert --SEQ ID NO:45--.
In Fig. 6, line 9, after "N K K" insert --SEQ ID NO:46--.
In Fig. 6, line 10, after "F R G" insert --SEQ ID NO:47--.
In Fig. 6, line 11, after "F K V" insert --SEQ ID NO:48--.
In Fig. 6, line 12, after "P D P" insert --SEQ ID NO:49--.
In Fig. 6, line 13, after "I W L" insert --SEQ ID NO:50--.
In Fig. 6, line 14, after "F N L" insert --SEQ ID NO:51--.
In Fig. 6, line 15, after "G Q G" insert --SEQ ID NO:52--.
In Fig. 6, line 16, after "C X V" insert --SEQ ID NO:53--.
In Fig. 6, line 17, after "N D R" insert --SEQ ID NO:54--.
In Fig. 6, line 18, after "I D Y" insert --SEQ ID NO:55--.
In Fig. 6, line 19, after "E L T" insert --SEQ ID NO:56--.
In Fig. 6, line 20, after "H L V" insert --SEQ ID NO:57--.
In Fig. 6, line 21, after "K I Q" insert --SEQ ID NO:58--.
In Fig. 6, line 22, after "R D S" insert --SEQ ID NO:59--.
In Fig. 6, line 23, after "I F A" insert --SEQ ID NO:60--.
In Fig. 6, line 24, after "K C V" insert --SEQ ID NO:61--.
In Fig. 6, line 25, after "I A I" insert --SEQ ID NO:62--.
In Fig. 6, line 26, after "T I K" insert --SEQ ID NO:63--.
In Fig. 6, line 27, after "H G I" insert --SEQ ID NO:64--.

In Fig. 7, line 1, after "D N S" insert --SEQ ID NO:65--.
In Fig. 7, line 2, after "H V N" insert --SEQ ID NO:66--.
In Fig. 7, line 3, after "Q N G" insert --SEQ ID NO:67--.
In Fig. 7, line 4, after "G G S" insert --SEQ ID NO:68--.
In Fig. 7, line 5, after "Y E N" insert --SEQ ID NO:69--.
In Fig. 7, line 6, after "N P I" insert --SEQ ID NO:70--.

In Fig. 7, line 7, after "T S A" insert --SEQ ID NO:71--.
In Fig. 7, line 8, after "S A V" insert --SEQ ID NO:72--.
In Fig. 7, line 9, after "K N I" insert --SEQ ID NO:73--.
In Fig. 7, line 10, after "A A I" insert --SEQ ID NO:74--.
In Fig. 7, line 11, after "V P C" insert --SEQ ID NO:75--.
In Fig. 7, line 12, after "V S L" insert --SEQ ID NO:76--.
In Fig. 7, line 13, after "A S C" insert --SEQ ID NO:77--.
In Fig. 7, line 14, after "F Y S" insert --SEQ ID NO:78--.
In Fig. 7, line 15, after "K N L" insert --SEQ ID NO:79--.
In Fig. 7, line 16, after "E F E" insert --SEQ ID NO:80--.
In Fig. 7, line 17, after "V M D" insert --SEQ ID NO:81--.
In Fig. 7, line 18, after "K G D" insert --SEQ ID NO:82--.
In Fig. 7, line 19, after "S S P" insert --SEQ ID NO:83--.
In Fig. 7, line 20, after "K G C" insert --SEQ ID NO:84--.
In Fig. 7, line 21, after "I I V" insert --SEQ ID NO:85--.
In Fig. 7, line 22, after "Y Y P" insert --SEQ ID NO:86--.
In Fig. 7, line 23, after "H N K" insert --SEQ ID NO:87--.
In Fig. 7, line 24, after "Y N P" insert --SEQ ID NO:88--.

In Fig. 8, line 1, after "V F N" insert --SEQ ID NO:42--.
In Fig. 8, line 2, after "F A T" insert --SEQ ID NO:44--.
In Fig. 8, line 3, after "K A S" insert --SEQ ID NO:45--.
In Fig. 8, line 4, after "N K K" insert --SEQ ID NO:46--.
In Fig. 8, line 5, after "F R G" insert --SEQ ID NO:47--.
In Fig. 8, line 6, after "F K V" insert --SEQ ID NO:48--.
In Fig. 8, line 7, after "P D P" insert --SEQ ID NO:49--.
In Fig. 8, line 8, after "I W L" insert --SEQ ID NO:50--.

In Fig. 8, line 9, after "F N L" insert --SEQ ID NO:51--.

In Fig. 8, line 10, after "G Q G" insert --SEQ ID NO:52--.

In Fig. 8, line 11, after "C K V" insert --SEQ ID NO:53--.

In Fig. 8, line 12, after "N D R" insert --SEQ ID NO:54--.

In Fig. 8, line 13, after "I D Y" insert --SEQ ID NO:55--.

In Fig. 8, line 14, after "E L T" insert --SEQ ID NO:56--.

In Fig. 8, line 15, after "H L V" insert --SEQ ID NO:57--.

In Fig. 8, line 16, after "K I Q" insert --SEQ ID NO:58--.

In Fig. 8, line 17, after "F D S" insert --SEQ ID NO:59--.

In Fig. 8, line 18, after "I F A" insert --SEQ ID NO:60--.

In Fig. 8, line 19, after "K C V" insert --SEQ ID NO:61--.

In Fig. 8, line 20, after "I A I" insert --SEQ ID NO:62--.

In Fig. 8, line 21, after "T I K" insert --SEQ ID NO:63--.

In Fig. 8, line 22, after "H G I" insert --SEQ ID NO:64--.

In Fig. 8, line 23, after "Q N G" insert --SEQ ID NO:67--.

In Fig. 8, line 24, after "G G S" insert --SEQ ID NO:68--.

In Fig. 8, line 25, after "Y E N" insert --SEQ ID NO:69--.

In Fig. 8, line 26, after "N P I" insert --SEQ ID NO:70--.

In Fig. 8, line 27, after "T S A" insert --SEQ ID NO:71--.

In Fig. 8, line 28, after "S A V" insert --SEQ ID NO:72--.

In Fig. 8, line 29, after "K N I" insert --SEQ ID NO:73--.

In Fig. 8, line 30, after "A A I" insert --SEQ ID NO:74--.

In Fig. 8, line 31, after "V P C" insert --SEQ ID NO:75--.

In Fig. 8, line 32, after "A S C" insert --SEQ ID NO:77--.

In Fig. 8, line 33, after "F Y S" insert --SEQ ID NO:78--.

In Fig. 8, line 34, after "K N L" insert --SEQ ID NO:79--.

In Fig. 8, line 35, after "E F E" insert --SEQ ID NO:80--.

Fig. 2

#1-1(1-20). D N P I D S C W R G D A N W D Q N R M K SEL IDA 13
 #1-2(11-30). D A N W D Q N R M K L A D C A V G F G S SEL IDA 14
 #1-3(21-40). L A D C A V G F G S S A M G G K G G A F SEL IDA 15
 #1-4(31-50). S A M G G K G G A F Y T V T S S D D D P SEL IDA 16
 #1-5(41-60). Y T V T S S D D D P V N P A P G T L R Y SEL IDA 17
 #1-6(51-70). V N P A P G T L R Y G A T R E R S L W I SEL IDA 18
 #1-7(61-80). G A T R E R S L W I I F S K N L N I K L SEL IDA 19
 #1-8(71-90). I F S K N L N I K L N M P L Y I A G N K SEL IDA 20
 #1-9(81-100). N M P L Y I A G N K T I D G R G A E V H SEL IDA 21
 #1-10(91-110). T I D G R G A E V H I G N G G P C L F M SEL IDA 22
 #1-11(101-120). I G N G G P C L F M R T V S H V I L H G SEL IDA 23
 #1-12(111-130). R T V S H V I L H G L N I H G C N T S V SEL IDA 24
 #1-13(121-140). L N I H G C N T S V S G N V L I S E A S SEL IDA 25
 #1-14(131-150). S G N V L I S E A S G V V P V H A Q D G SEL IDA 26
 #1-15(141-160). G V V P V H A Q D G D A I T M R N V T D SEL IDA 27
 #1-16(151-170). D A I T M R N V T D V W I D H N S L S D SEL IDA 28
 #1-17(161-180). V W I D H N S L S D S S D G L V D V T L SEL IDA 29
 #1-18(171-190). S S D G L V D V T L A S T G V T I S N N SEL IDA 30
 #1-19(181-200). A S T G V T I S N N H F F N H H K V M L SEL IDA 31
 #1-20(191-210). H F F N H H K V M L L G H S D I Y S D D SEL IDA 32
 #1-21(201-220). L G H S D I Y S D D K S M K V T V A F N SEL IDA 33
 #1-22(211-230). K S M K V T V A F N Q F G P N A G Q R M SEL IDA 34
 #1-23(221-240). Q F G P N A G Q R M P R A R Y G L I H V SEL IDA 35
 #1-24(231-250). P R A R Y G L I H V A N N N Y D P W S I SEL IDA 36
 #1-25(241-260). A N N N Y D P W S I Y A I G G S S N P T SEL IDA 37
 #1-26(251-270). Y A I G G S S N P T I L S E G N S F T A SEL IDA 38
 #1-27(261-280). I L S E G N S F T A P N D S D K K E V T SEL IDA 39
 #1-28(271-290). P N D S D K K E V T R R V G C E S P S T SEL IDA 40

Fig. 3

#1-29(281-300). R R V G C E S P S T C A N W V W R S T Q Seq ID 100%
#1-30(291-310). C A N W V W R S T Q D S F N N G A Y F V Seq ID 100%
#1-31(301-320). D S F N N G A Y F V S S G K N E G T N I Seq ID 100%
#1-32(311-330). S S G K N E G T N I Y N N N E A F K V E Seq ID 100%
#1-33(321-340). Y N N N E A F K V E N G S A A P Q L T K Seq ID 100%
#1-34(331-350). N G S A A P Q L T K N A G V L T C I L S Seq ID 100%
#1-35(341-354). N A G V L T C I L S K P C S Seq ID 100%

Fig. 4

#1-2(11-30).	D A N W D Q N R M K L A D C A V G F G S	Seq. ID: A11-30
#1-4(31-50).	S A M G G K G G A F Y T V T S S D D D P	Seq. ID: A11-4
#1-5(41-60).	Y T V T S S D D D P V N P A P G T L R Y	Seq. ID: A11-5
#1-6(51-70).	V N P A P G T L R Y G A T R E R S L W I	Seq. ID: A11-6
#1-7(61-80).	G A T R E R S L W I I F S K N L N I K L	Seq. ID: A11-7
#1-8(71-90).	I F S K N L N I K L N M P L Y I A G N K	Seq. ID: A11-8
#1-10(91-110).	T I D G R G A E V H I G N G G P C L F M	Seq. ID: A11-10
#1-11(101-120).	I G N G G P C L F M R T V S H V I L H G	Seq. ID: A11-11
#1-12(111-130).	R T V S H V I L H G L N I H G C N T S V	Seq. ID: A11-12
#1-14(131-150).	S G N V L I S E A S G V V P V H A Q D G	Seq. ID: A11-14
#1-15(141-160).	G V V P V H A Q D G D A I T M R N V T D	Seq. ID: A11-15
#1-16(151-170).	D A I T M R N V T D V W I D H N S L S D	Seq. ID: A11-16
#1-19(181-200).	A S T G V T I S N N H F F N H H K V M L	Seq. ID: A11-19
#1-20(191-210).	H F F N H H K V M L L G H S D I Y S D D	Seq. ID: A11-20
#1-21(201-220).	L G H S D I Y S D D K S M K V T V A F N	Seq. ID: A11-21
#1-22(211-230).	K S M K V T V A F N Q F G P N A G Q R M	Seq. ID: A11-22
#1-23(221-240).	Q F G P N A G Q R M P R A R Y G L I H V	Seq. ID: A11-23
#1-24(231-250).	P R A R Y G L I H V A N N N Y D P W S I	Seq. ID: A11-24
#1-25(241-260).	A N N N Y D P W S I Y A I G G S S N P T	Seq. ID: A11-25
#1-26(251-270).	Y A I G G S S N P T I L S E G N S F T A	Seq. ID: A11-26
#1-27(261-280).	I L S E G N S F T A P N D S D K K E V T	Seq. ID: A11-27
#1-30(291-310).	C A N W V W R S T Q D S F N N G A Y F V	Seq. ID: A11-30
#1-31(301-320).	D S F N N G A Y F V S S G K N E G T N I	Seq. ID: A11-31
#1-32(311-330).	S S G K N E G T N I Y N N N E A F K V E	Seq. ID: A11-32
#1-33(321-340).	Y N N N E A F K V E N G S A A P Q L T K	Seq. ID: A11-33
#1-34(331-350).	N G S A A P Q L T K N A G V L T C I L S	Seq. ID: A11-34

Fig. 6

#2-1(1-20).	M G M K F M A A V A F L A L Q L I V M A	SEG	10	58
#2-2(11-30).	F L A L Q L I V M A A A E D Q S A Q I M	SEG	10	59
#2-3(21-40).	A A E D Q S A Q I M L D S D I E Q Y L R	SEG	10	60
#2-4(31-50).	L D S D I E Q Y L R S N R S L K K L V H	SEG	10	61
#2-5(41-60).	S N R S L K K L V H S R H D A A T V F N	SEG	10	62
#2-6(51-70).	S R H D A A T V F N V E Q Y G A V G D G	SEG	10	63
#2-7(61-80).	V E Q Y G A V G D G K H D S T E A F A T	SEG	10	64
#2-8(71-90).	K H D S T E A F A T T W N A A C K K A S	SEG	10	65
#2-9(81-100).	T W N A A C K K A S A V L L V P A N K K	SEG	10	66
#2-10(91-110).	A V L L V P A N K K F F V N N L V F R G	SEG	10	67
#2-11(101-120).	F F V N N L V F R G P C Q P H L S F K V	SEG	10	68
#2-12(111-130).	P C Q P H L S F K V D G T I V A Q P D P	SEG	10	69
#2-13(121-140).	D G T I V A Q P D P A R W K N S K I W L	SEG	10	70
#2-14(131-150).	A R W K N S K I W L Q F A Q L T D F N L	SEG	10	71
#2-15(141-160).	Q F A Q L T D F N L M G T G V I D G Q G	SEG	10	72
#2-16(151-170).	H G T G V I D G Q G Q Q W W A G Q C K V	SEG	10	73
#2-17(161-180).	Q Q W W A G Q C K V V V N G R T V C N D R	SEG	10	74
#2-18(171-190).	V N G R T V C N D R N E P T A I K I D Y	SEG	10	75
#2-19(181-200).	N R P T A I K I D Y S K S V T V K E L T	SEG	10	76
#2-20(191-210).	S K S V T V K E L T L M N S P E F H L V	SEG	10	77
#2-21(201-220).	L M N S P E F H L V F G E C E G V K I Q	SEG	10	78
#2-22(211-230).	F G E C E G V K I Q G L K I K A P R D S	SEG	10	79
#2-23(221-240).	G L K I K A P R D S P N T D G I D I F A	SEG	10	80
#2-24(231-250).	P N T D G I D I F A S K R F H I E K C V	SEG	10	81
#2-25(241-260).	S K R F H I E K C V I G T G D D C I A I	SEG	10	82
#2-26(251-270).	I G T G D D C I A I G T G S S N I T I K	SEG	10	83
#2-27(261-280).	G T G S S N I T I K D L I C G P G H G I	SEG	10	84

Fig. 7

#2-28(271-290). D L I C G P G H G I S I G S L G R D N S SEQ. 10. 16
 #2-29(281-300). S I G S L G R D N S R A E V S H V H V N SEQ. 10. 16
 #2-30(291-310). R A E V S H V H V N R A K F I D T Q N G SEQ. 10. 16
 #2-31(301-320). R A K F I D T Q N G L R I K T W Q G G S SEQ. 10. 18
 #2-32(311-330). L R I K T W Q G G S G L A S Y I T Y E N SEQ. 10. 18
 #2-33(321-340). G L A S Y I T Y E N V E M I N S E N P I SEQ. 10. 18
 #2-34(331-350). V E M I N S E N P I L I N Q F Y C T S A SEQ. 10. 18
 #2-35(341-360). L I N Q F Y C T S A S A C Q N Q R S A V SEQ. 10. 18
 #2-36(351-370). S A C Q N Q R S A V Q I Q G V T Y K N I SEQ. 10. 18
 #2-37(361-380). Q I Q G V T Y K N I H G T S A T A A A I SEQ. 10. 18
 #2-38(371-390). H G T S A T A A A I Q L M C S D S V P C SEQ. 10. 18
 #2-39(381-400). Q L M C S D S V P C T G I Q L S N V S L SEQ. 10. 18
 #2-40(391-410). T G I Q L S N V S L K L T S G K P A S C SEQ. 10. 18
 #2-41(401-420). K L T S G K P A S C V D K N A R G F Y S SEQ. 10. 18
 #2-42(411-430). V D K N A R G F Y S G R L I P T C K N L SEQ. 10. 18
 #2-43(421-440). G R L I P T C K N L R P G P S P K E F E SEQ. 10. 18
 #2-44(431-450). R P G P S P K E F E L Q Q Q P T T V M D SEQ. 10. 18
 #2-45(441-460). L Q Q Q P T T V M D E N K G A C A K G D SEQ. 10. 18
 #2-46(451-470). E N K G A C A K G D S T C I S L S S S P SEQ. 10. 18
 #2-47(461-480). S T C I S L S S S P P N C K N K C K G C SEQ. 10. 18
 #2-48(471-490). P N C K N K C K G C Q P C K P K L I I V SEQ. 10. 18
 #2-49(481-500). Q P C K P K L I I V H P N K P Q D Y Y P SEQ. 10. 18
 #2-50(491-510). H P N K P Q D Y Y P Q K W V C S C H N K SEQ. 10. 18
 #2-51(501-514). Q K W V C S C H N K I Y N P SEQ. 10. 18

Fig. 8

#2-5(41-60).	S N R S L K K L V H S R H D A A T V F N	SEE	10	10
#2-7(61-80).	V E Q Y G A V G D G K H D S T E A F A T	SEE	10	10
#2-8(71-90).	K H D S T E A F A T T W N A A C K K A S	SEE	10	10
#2-9(81-100).	T W N A A C K K A S A V L L V P A N K K	SEE	10	10
#2-10(91-110).	A V L L V P A N K K F F V N N L V F R G	SEE	10	10
#2-11(101-120).	F F V N N L V F R G P C Q P H L S F K V	SEE	10	10
#2-12(111-130).	P C Q P H L S F K V D G T I V A Q P D P	SEE	10	10
#2-13(121-140).	D G T I V A Q P D P A R W K N S K I W L	SEE	10	10
#2-14(131-150).	A R W K N S K I W L Q F A Q L T D F N L	SEE	10	10
#2-15(141-160).	Q F A Q L T D F N L M G T G V I D G Q G	SEE	10	10
#2-16(151-170).	M G T G V I D G Q G Q Q W W A G Q C K V	SEE	10	10
#2-17(161-180).	Q Q W W A G Q C K V V V N G R T V C N D R	SEE	10	10
#2-18(171-190).	V N G R T V C N D R N E P T A I K I D Y	SEE	10	10
#2-19(181-200).	N R P T A I K I D Y S K S V T V K E L T	SEE	10	10
#2-20(191-210).	S K S V T V K E L T L M N S P E F H L V	SEE	10	10
#2-21(201-220).	L M N S P E F H L V F G E C E G V K I Q	SEE	10	10
#2-22(211-230).	F G E C E G V K I Q G L K I K A P R D S	SEE	10	10
#2-23(221-240).	G L K I K A P R D S P N T D G I D I F A	SEE	10	10
#2-24(231-250).	P N T D G I D I F A S K R F H I E K C V	SEE	10	10
#2-25(241-260).	S K R F H I E K C V I G T G D D C I A I	SEE	10	10
#2-26(251-270).	I G T G D D C I A I G T G S S N I T I K	SEE	10	10
#2-27(261-280).	G T G S S N I T I K D L I C G P G H G I	SEE	10	10
#2-28(271-290).	R A E V S H V H V N R A K F I D T Q N G	SEE	10	10
#2-29(281-300).	R A K F I D T Q N G L R I K T W Q G G S	SEE	10	10
#2-30(291-310).	L R I K T W Q G G S G L A S Y I T Y E N	SEE	10	10
#2-31(301-320).	G L A S Y I T Y E N V E M I N S E N P I	SEE	10	10
#2-32(311-330).	V E M I N S E N P I L I N Q F Y C T S A	SEE	10	10
#2-33(321-340).	L I N Q F Y C T S A S A C Q N Q R S A V	SEE	10	10
#2-34(331-350).	S A C Q N Q R S A V Q I Q G V T Y K N I	SEE	10	10
#2-35(341-360).	Q I Q G V T Y K N I H G T S A T A A A I	SEE	10	10
#2-36(351-370).	H G T S A T A A A I Q L M C S D S V P C	SEE	10	10
#2-37(361-380).	T G I Q L S N V S L K L T S G K P A S C	SEE	10	10
#2-38(371-390).	X L T S G K P A S C V D K N A R G F Y S	SEE	10	10
#2-39(381-400).	V D K N A R G F Y S G R L I P T C K N L	SEE	10	10
#2-40(391-410).	G R L I P T C K N L E P G P S P K E F E	SEE	10	10
#2-41(401-420).				
#2-42(411-430).				
#2-43(421-440).				